

EP 518772

DIALOG(R) File 351:Derwent WPI  
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009290212 \*\*Image available\*\*

WPI Acc No: 1992-417621/\*199251\*

XRAM Acc No: C92-185239

Filtering cosmetic compsn. - contg. benzene

1,4-di(3-methylidene-10-camphosulphonic) acid and metal oxide nanopigment

Patent Assignee: L'OREAL SA (OREA ); ETEVE M (ETEV-I)

Inventor: ETEVE M; HANSENNE I

Number of Countries: 018 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 518772	A1	19921216	EP 92401626	A	19920612	199251 B
AU 9218209	A	19921217	AU 9218209	A	19920612	199306
FR 2677543	A1	19921218	FR 917255	A	19910613	199307
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US 5643557	A	19970701	US 92897498	A	19920612	199732
			US 93119651	A	19930913	
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			US 95458187	A	19950602	
US 5690917	A	19971125	US 92897498	A	19920612	199802
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Priority Applications (No Type Date): FR 917255 A 19910613

Cited Patents: DE 3824999; EP 303995; EP 370867

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 518772	A1	F	18 A61K-007/42	
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI NL PT SE

FR 2677543	A1	22	A61K-007/00	
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CA 2071277	A	F	A61K-007/42	
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI NL PT SE

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ES 2062874	T3		A61K-007/42	Based on patent EP 518772
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AU 9218209	A	A61K-007/44	Div ex application US 93119651 Div ex patent US 5643557

**Abstract (Basic): EP 518772 A**

A filtering cosmetic compsn. comprises, in a suitable support, nanopigment(s) of metal oxides from oxides of Ti, Ce, Zr or their mixts., of mean dia less than 100 nm (pref. 5-50 nm), mixed with (partially) neutralised benzene 1,4-di (3-methylidene-10-camphosulphonic) acid of formula (I).

Where A = H, alkali metal, a gp. NH(R<sub>3</sub>)<sup>(+)</sup>; the R's are same or different and are H, 1-4C (hydroxy)alkyl or a gp. M(n+1)/n where M(n+) = polyvalent metal cation with n = 2, 3 or 4. Pref. M(n+1) = Ca(2+), Zn(2+), Mg(2+), Ba(2+), Al(3+) or Zr(4+). Pref. the compsn. contains TiO<sub>2</sub> and an Al salt of (I).

Also claimed are: (1) a process for protecting human epiderm and hair against UV radiation by applying the above compsn., (2) use of the cosmetic compsn. to prevent apparition of photodermatoses and (3) use of (I) for reducing or inhibiting photoinduced reaction fo the above pigments exposed to light.

**ADVANTAGE** - The metal oxide pigments improve the cosmetic properties of the compsn. and partic. reduce the sticky effect of (I) and the whitening left on the skin after application.

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Title Terms: FILTER; COSMETIC; COMPOSITION; CONTAIN; BENZENE; DI; METHYLDENE; SULPHONIC; ACID; METAL; OXIDE; NANO; PIGMENT

Derwent Class: A96; D21; E12; E14; E24; E32

International Patent Class (Main): A61K-007/00; A61K-007/40; A61K-007/42; A61K-007/44

International Patent Class (Additional): A61K-007/02; A61K-007/021; A61K-007/027; A61K-007/031; A61K-007/032; A61K-007/06; A61K-007/08; A61K-007/09; A61K-007/11; A61K-007/13; A61K-007/135; A61K-007/48

File Segment: CPI